

Certificate of Analysis

Date of Testing: 2025-09-08 10:01:38

Date of Next Testing: 2029-09-07 10:01:38

Product Name: **L-Thiaproline**

CAS Number: 34592-47-7

Specifications & Purity: $\geq 98\%$ (HPLC)

Lot #: B2225008

SKU #: **T137734**

Version: **1**

Analysis #: **570329**

Parameter	Limit Values	Result
Purity(Neutralization titration)	97.5-102.5 (%)	98.26 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in } 1\text{mol/L NaOH sol.})$	-202--197 (°)	-198.21 °
Purity(HPLC)	98-100 (%)	98.82600 %
Appearance (T137734)	White powder	White powder
Solubility in hot H2O	almost transparency	almost transparency
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager